

Refine Search

Search Results -

Terms	Documents
3773919.pn.	1

Database:

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 Derwent World Patents Index
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Search:

L47

Refine Search

Recall Text

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Search History

 DATE: Friday, June 25, 2004 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set

DB=USPT; PLUR=YES; OP=OR

<u>L47</u>	3773919.pn.	1	<u>L47</u>
<u>L46</u>	5650173.pn.	1	<u>L46</u>
<u>L45</u>	5648096.pn.	1	<u>L45</u>
<u>L44</u>	5429822.pn.	1	<u>L44</u>
<u>L43</u>	5853763.pn.	1	<u>L43</u>
<u>L42</u>	5820883.pn.	1	<u>L42</u>
<u>L41</u>	5814344.pn.	1	<u>L41</u>
<u>L40</u>	5811128.pn.	1	<u>L40</u>
<u>L39</u>	5762965.pn.	1	<u>L39</u>
<u>L38</u>	5693343.pn.	1	<u>L38</u>
<u>L37</u>	5688530.pn.	1	<u>L37</u>
<u>L36</u>	5643605.pn.	1	<u>L36</u>
<u>L35</u>	5639480.pn.	1	<u>L35</u>
<u>L34</u>	5538739.pn.	1	<u>L34</u>

<u>L33</u>	5500228.pn.	1	<u>L33</u>
<u>L32</u>	5417986.pn.	1	<u>L32</u>
<u>L31</u>	5407609.pn.	1	<u>L31</u>
<u>L30</u>	5384133.pn.	1	<u>L30</u>
<u>L29</u>	5360610.pn.	1	<u>L29</u>
<u>L28</u>	5290494.pn.	1	<u>L28</u>
<u>L27</u>	5278202.pn.	1	<u>L27</u>
<u>L26</u>	5236355.pn.	1	<u>L26</u>
<u>L25</u>	5133701.pn.	1	<u>L25</u>
<u>L24</u>	5129825.pn.	1	<u>L24</u>
<u>L23</u>	5102872.pn.	1	<u>L23</u>
<u>L22</u>	5075109.pn.	1	<u>L22</u>
<u>L21</u>	5064413.pn.	1	<u>L21</u>
<u>L20</u>	5059187.pn.	1	<u>L20</u>
<u>L19</u>	5019096.pn.	1	<u>L19</u>
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<u>L16</u>	4938763.pn.	1	<u>L16</u>
<u>L15</u>	4897268.pn.	1	<u>L15</u>
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<u>L10</u>	4675189.pn.	1	<u>L10</u>
<u>L9</u>	4637905.pn.	1	<u>L9</u>
<u>L8</u>	4585482.pn.	1	<u>L8</u>
<u>L7</u>	4622244.pn.	1	<u>L7</u>
<u>L6</u>	4542025.pn.	1	<u>L6</u>
<u>L5</u>	4530840.pn.	1	<u>L5</u>
<u>L4</u>	4384975.pn.	1	<u>L4</u>
<u>L3</u>	4166800.pn.	1	<u>L3</u>
<u>L2</u>	3788315.pn.	1	<u>L2</u>
<u>L1</u>	3540444.pn.	1	<u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L57 and L56	1

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
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 EPO Abstracts Database
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 IBM Technical Disclosure Bulletins

Search:

L58

Search History

DATE: Friday, June 25, 2004 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT; PLUR=YES; OP=OR

<u>L58</u>	L57 and l56	1	<u>L58</u>
<u>L57</u>	friden.in.	76	<u>L57</u>
<u>L56</u>	Setterstrom.in.	12	<u>L56</u>
<u>L55</u>	Setterstromin.	0	<u>L55</u>
<u>L54</u>	L53 and l49	4	<u>L54</u>
<u>L53</u>	L52 and biodegradable	57	<u>L53</u>
<u>L52</u>	L51 and uncapped	589	<u>L52</u>
<u>L51</u>	poly(lactide-glycolide)	173188	<u>L51</u>
<u>L50</u>	l48 and programmable release	597960	<u>L50</u>
<u>L49</u>	burst-free and L48	7	<u>L49</u>
<u>L48</u>	controlled release composition	1813577	<u>L48</u>
<u>L47</u>	3773919.pn.	1	<u>L47</u>
<u>L46</u>	5650173.pn.	1	<u>L46</u>
<u>L45</u>	5648096.pn.	1	<u>L45</u>

<u>L44</u>	5429822.pn.	1	<u>L44</u>
<u>L43</u>	5853763.pn.	1	<u>L43</u>
<u>L42</u>	5820883.pn.	1	<u>L42</u>
<u>L41</u>	5814344.pn.	1	<u>L41</u>
<u>L40</u>	5811128.pn.	1	<u>L40</u>
<u>L39</u>	5762965.pn.	1	<u>L39</u>
<u>L38</u>	5693343.pn.	1	<u>L38</u>
<u>L37</u>	5688530.pn.	1	<u>L37</u>
<u>L36</u>	5643605.pn.	1	<u>L36</u>
<u>L35</u>	5639480.pn.	1	<u>L35</u>
<u>L34</u>	5538739.pn.	1	<u>L34</u>
<u>L33</u>	5500228.pn.	1	<u>L33</u>
<u>L32</u>	5417986.pn.	1	<u>L32</u>
<u>L31</u>	5407609.pn.	1	<u>L31</u>
<u>L30</u>	5384133.pn.	1	<u>L30</u>
<u>L29</u>	5360610.pn.	1	<u>L29</u>
<u>L28</u>	5290494.pn.	1	<u>L28</u>
<u>L27</u>	5278202.pn.	1	<u>L27</u>
<u>L26</u>	5236355.pn.	1	<u>L26</u>
<u>L25</u>	5133701.pn.	1	<u>L25</u>
<u>L24</u>	5129825.pn.	1	<u>L24</u>
<u>L23</u>	5102872.pn.	1	<u>L23</u>
<u>L22</u>	5075109.pn.	1	<u>L22</u>
<u>L21</u>	5064413.pn.	1	<u>L21</u>
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<u>L19</u>	5019096.pn.	1	<u>L19</u>
<u>L18</u>	5000886.pn.	1	<u>L18</u>
<u>L17</u>	4941880.pn.	1	<u>L17</u>
<u>L16</u>	4938763.pn.	1	<u>L16</u>
<u>L15</u>	4897268.pn.	1	<u>L15</u>
<u>L14</u>	4863735.pn.	1	<u>L14</u>
<u>L13</u>	4835139.pn.	1	<u>L13</u>
<u>L12</u>	4798786.pn.	1	<u>L12</u>
<u>L11</u>	4798786.pn.	1	<u>L11</u>
<u>L10</u>	4675189.pn.	1	<u>L10</u>
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<u>L6</u>	4542025.pn.	1	<u>L6</u>
<u>L5</u>	4530840.pn.	1	<u>L5</u>
<u>L4</u>	4384975.pn.	1	<u>L4</u>

<u>L3</u>	4166800.pn.	1	<u>L3</u>
<u>L2</u>	3788315.pn.	1	<u>L2</u>
<u>L1</u>	3540444.pn.	1	<u>L1</u>

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 6528097 B1

L54: Entry 1 of 4

File: USPT

Mar 4, 2003

US-PAT-NO: 6528097

DOCUMENT-IDENTIFIER: US 6528097 B1

TITLE: Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres

DATE-ISSUED: March 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vaughn; William M.	Silver Spring	MD		
Van Hamont; John E.	Ft. Meade	MD		
Setterstrom; Jean A.	Alpharetta	GA		

US-CL-CURRENT: 424/501; 424/422, 514/570

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Data
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☐ 2. Document ID: US 6447796 B1

L54: Entry 2 of 4

File: USPT

Sep 10, 2002

US-PAT-NO: 6447796

DOCUMENT-IDENTIFIER: US 6447796 B1

**** See image for Certificate of Correction ****

TITLE: Sustained release hydrophobic bioactive PLGA microspheres

DATE-ISSUED: September 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vook; Noelle Christine	Schaumburg	IL		
Jacob; Elliott	Silver Spring	MD		
Setterstrom; Jean A.	Alpharetta	GA		
van Hamont; John	West Point	NY		
Vaughan; William	Silver Spring	MD		

h e b b g e e f e b f h e f b e

Duong; Ha

Montclair

CA

US-CL-CURRENT: [424/422](#); [424/426](#), [424/457](#), [424/468](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 3. Document ID: US 6309669 B1

L54: Entry 3 of 4

File: USPT

Oct 30, 2001

US-PAT-NO: 6309669

DOCUMENT-IDENTIFIER: US 6309669 B1

TITLE: Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix

DATE-ISSUED: October 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Setterstrom; Jean A.	Alpharetta	GA		
Van Hamont; John E.	Fort Meade	MD		
Reid; Robert H.	McComas	CT		
Jacob; Elliot	Silver Spring	MD		
Jeyanthi; Ramasubbu	Columbia	MD		
Boedeker; Edgar C.	Chevy Chase	MD		
McQueen; Charles E.	Olney	MD		
Jarboe; Daniel L.	Silver Spring	MD		
Cassels; Frederick	Ellicott City	MD		
Brown; William	Denver	CO		
Thies; Curt	Ballwin	MO		
Tice; Thomas R.	Birmingham	AL		
Roberts; F. Donald	Dover	MA		
Friden; Phil	Beford	MA		

US-CL-CURRENT: [424/486](#); [424/422](#), [424/423](#), [424/424](#), [424/425](#), [424/484](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 4. Document ID: US 6217911 B1

L54: Entry 4 of 4

File: USPT

Apr 17, 2001

US-PAT-NO: 6217911

DOCUMENT-IDENTIFIER: US 6217911 B1

**** See image for Certificate of Correction ****TITLE: sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres

h e b b g e e e f e b f h e f b e

DATE-ISSUED: April 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vaughn; William M.	Silver Spring	MD		
Van Hamont; John E.	Ft. Meade	MD		
Setterstrom; Jean A.	Alpharetta	GA		

US-CL-CURRENT: 424/501; 424/422, 514/570

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. Desc.
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L53 and L49

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6309669 B1

L58: Entry 1 of 1

File: USPT

Oct 30, 2001

US-PAT-NO: 6309669

DOCUMENT-IDENTIFIER: US 6309669 B1

TITLE: Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix

DATE-ISSUED: October 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Setterstrom</u> ; Jean A.	Alpharetta	GA		
Van Hamont; John E.	Fort Meade	MD		
Reid; Robert H.	McComas	CT		
Jacob; Elliot	Silver Spring	MD		
Jeyanthi; Ramasubbu	Columbia	MD		
Boedeker; Edgar C.	Chevy Chase	MD		
McQueen; Charles E.	Olney	MD		
Jarboe; Daniel L.	Silver Spring	MD		
Cassels; Frederick	Ellicott City	MD		
Brown; William	Denver	CO		
Thies; Curt	Ballwin	MO		
Tice; Thomas R.	Birmingham	AL		
Roberts; F. Donald	Dover	MA		
<u>Friden</u> ; Phil	Beford	MA		

US-CL-CURRENT: 424/486; 424/422, 424/423, 424/424, 424/425, 424/484

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw D
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L57 and L56

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MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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FILE 'USPATFULL' ENTERED AT 09:54:58 ON 25 JUN 2004
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=> s poly(lactide/glycolide)
MISSING OPERATOR 'POLY(LACTIDE/GL'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s "poly(lactide-glycolide)
MISMATCHED QUOTE '"POLY'
Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> s " poly(lactide-glycolide)"
L1 276 " POLY(LACTIDE-GLYCOLIDE)"

=> s microcapsule
3 FILES SEARCHED...
L2 19015 MICROCAPSULE

=> s hardened
L3 157088 HARDENED

=> l3 and l2
L3 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l3 and l2
L4 1157 L3 AND L2

=> s l4 and l1
L5 9 L4 AND L1

=> d l5 ti abs ibib tot

L5 ANSWER 1 OF 9 USPATFULL on STN
TI Prolonged anesthesia in joints and body spaces
AB Sustained release local anesthetic formulations are administered intra
 articularly and/or into body spaces/cavities. The formulation is
 preferably a plurality of injectable microparticles including a local
 anesthetic and an effective amount of a biocompatible, biodegradable,
 sustained release material prolonging the release of the local
 anesthetic and optionally and a pharmaceutically acceptable, i.e.,
 non-toxic, augmenting agent effective to prolong the duration of the
 local anesthesia for a time period longer than that obtainable without
 the augmenting agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:250571 USPATFULL
TITLE: Prolonged anesthesia in joints and body spaces
INVENTOR(S): Goldenhim, Paul, Wilton, CT, UNITED STATES
Lacouture, Peter, Newton, CT, UNITED STATES
Donigi-Gale, Donna, Richfield, CT, UNITED STATES
Chasin, Mark, Manalapan, NJ, UNITED STATES
Sackler, Richard, Greenwich, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003175357	A1	20030918
APPLICATION INFO.:	US 2003-391242	A1	20030318 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2001-824465, filed on 2 Apr 2001, GRANTED, Pat. No. US 6534081 Continuation of Ser. No. US 1998-109324, filed on 2 Jul 1998, GRANTED, Pat. No. US 6248345		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-51601P	19970702 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DAVIDSON, DAVIDSON & KAPPEL, LLC, 15th Floor, 1140 Avenue of the Americas, New York, NY, 10036	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	2287	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L5 ANSWER 2 OF 9 USPATFULL on STN

TI Vaccines against diseases caused by enteropathogenic organisms using antigens encapsulated within biodegradable-biocompatible microspheres

AB This invention relates to an immunostimulating composition comprising encapsulating microspheres, which may contain a pharmaceutically-acceptable adjuvant, wherein said microspheres having a diameter between 1 nanometer (nm) to 10 microns (um) are comprised of (a) a biodegradable-biocompatible poly(DL-lactide-co-glycolide) as the bulk matrix, wherein the relative ratio between the amount of lactide and glycolide components are within the range of 40:60 to 0:100 and wherein said poly (DL-lactide-co-glycolide) is present in an uncapped form and an end-capped form wherein a ratio of uncapped to end-capped forms is 99/1 to 1/99, and (b) an immunogenic substance comprising Colony Factor Antigen (CFA/II), hepatitis B surface antigen (HbsAg), or a physiologically similar antigen that serves to elicit the production of antibodies in animal subjects. The preparation of its composition and its use as a vaccine is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:231691 USPATFULL
TITLE: Vaccines against diseases caused by enteropathogenic organisms using antigens encapsulated within biodegradable-biocompatible microspheres
INVENTOR(S): Reid, Robert H., Kensington, MD, UNITED STATES
Setterstrom, Jean A., Alpharetta, GA, UNITED STATES
Boedeker, Edgar, Crownsville, MD, UNITED STATES
VanHamont, John, Fort Meade, MD, UNITED STATES
McQueen, Charles, Olney, MD, UNITED STATES
Cassels, Frederick, Ellicott City, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003161889	A1	20030828
APPLICATION INFO.:	US 2002-224125	A1	20020820 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1998-9986, filed on 21 Jan 1998, PENDING Continuation-in-part of Ser. No. US 1997-789734, filed on 27 Jan 1997, GRANTED, Pat. No. US 6309669 Continuation-in-part of Ser. No. US 1994-362944, filed on 23 Dec 1994, ABANDONED Continuation of Ser. No. US 1993-34949, filed on 22 Mar 1993, ABANDONED Continuation-in-part of Ser. No. US 1992-867301, filed on 10 Apr 1992, GRANTED, Pat. No. US 5417986 Continuation-in-part of Ser. No. US 1991-805721, filed on 21 Nov 1991, ABANDONED Continuation-in-part of Ser. No. US 1991-690485, filed on 24 Apr 1991, ABANDONED Continuation-in-part of Ser. No. US 1990-521945, filed on 11 May 1990, ABANDONED Continuation-in-part of Ser. No. US 1990-493597, filed on 15 Mar 1990, ABANDONED Continuation-in-part of Ser. No. US 1984-590308, filed on 16 Mar 1984, ABANDONED

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Nash & Titus, LLC, 3415 Brookeville Road, Brookeville, MD, 20833

NUMBER OF CLAIMS: 33
EXEMPLARY CLAIM: 22
NUMBER OF DRAWINGS: 70 Drawing Page(s)
LINE COUNT: 3915
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 9 USPATFULL on STN

TI Formulations and methods for providing prolonged local anesthesia
AB A formulation for inducing sustained regional local anesthesia in a patient comprising a substrate comprising a local anesthetic and an effective amount of a biocompatible, biodegradable, controlled release material prolonging the release of the local anesthetic from the substrate to obtain a reversible local anesthesia when implanted or injected in a patient, and a non-toxic augmenting agent effective to prolong the duration of the local anesthesia for a time period longer than that obtainable from the substrate without the augmenting agent. In preferred embodiments, the controlled release material is a low molecular weight, acid-terminated polymer. A further aspect of the invention is directed to such formulations which release the local anesthetic in two phases, the first a rapid "bolus" to initiate anesthesia and a second, slower release to maintain anesthesia.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:238665 USPATFULL
TITLE: Formulations and methods for providing prolonged local anesthesia
INVENTOR(S): Goldenheim, Paul, Wilton, CT, United States
Donigi-Gale, Donna, Richfield, CT, United States
Burton, Kevin, Fishkill, NY, United States
Shameem, Mohammed, Elmsford, NY, United States
Ketkar, Amol, Elmsford, NY, United States
Chasin, Mark, Manalapan, NJ, United States
Maskiewicz, Richard, Ridgefield, CT, United States
PATENT ASSIGNEE(S): Euro-Celtique S.A., Luxembourg, LUXEMBOURG (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6451335	B1	20020917
APPLICATION INFO.:	US 1998-109323		19980702 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Azpuru, Carlos A.		
LEGAL REPRESENTATIVE:	Davidson, Davidson & Kappel, LLC		

NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 5 Drawing Figure(s); 5 Drawing Page(s)
LINE COUNT: 2273
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 9 USPATFULL on STN

TI Prolonged anesthesia in joints and body spaces
AB Sustained release local anesthetic formulations are administered intra articularly and/or into body spaces/cavities. The formulation is preferably a plurality of injectable microparticles including a local anesthetic and an effective amount of a biocompatible, biodegradable, sustained release material prolonging the release of the local anesthetic and optionally and a pharmaceutically acceptable, i.e., non-toxic, augmenting agent effective to prolong the duration of the local anesthesia for a time period longer than that obtainable without the augmenting agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:105713 USPATFULL
TITLE: Prolonged anesthesia in joints and body spaces
INVENTOR(S): Goldenheim, Paul, Wilton, CT, UNITED STATES
Lacouture, Peter, Newton, CT, UNITED STATES
Donigi-Gale, Donna, Richfield, CT, UNITED STATES
Chasin, Mark, Manalapan, NJ, UNITED STATES
Sackler, Richard, Greenwich, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002054915	A1	20020509
	US 6534081	B2	20030318
APPLICATION INFO.:	US 2001-824465	A1	20010402 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-109324, filed on 2 Jul 1998, GRANTED, Pat. No. US 6248345		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-51601P	19970702 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DAVIDSON, DAVIDSON & KAPPEL, LLC, 485 Seventh Avenue - 14th Floor, New York, NY, 10018	
NUMBER OF CLAIMS:	18	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	2285	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 9 USPATFULL on STN

TI Sustained-release preparation
AB A sustained-release preparation comprising a bioactive substance having an acidic group and a biodegradable polymer having improves the rate of incorporation of the bioactive substance, suppresses its leakage early after administration, and exhibits constantly suppressed release for an extended period of time.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:199754 USPATFULL
TITLE: Sustained-release preparation
INVENTOR(S): Hata, Yoshio, Toyonaka, Japan
Taira, Hikaru, Ikeda, Japan
Sato, Jun, Kawanishi, Japan
Iinuma, Satoshi, Kobe, Japan

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001038854	A1	20011108
	US 6696500	B2	20040224
APPLICATION INFO.:	US 2001-867627	A1	20010531 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-881143, filed on 24 Jun 1997, GRANTED, Pat. No. US 6264970		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1996-165462	19960626
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	WENDEROTH, LIND & PONACK, L.L.P., 2033 K STREET N. W., SUITE 800, WASHINGTON, DC, 20006-1021	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1636	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L5 ANSWER 6 OF 9 USPATFULL on STN

TI Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix

AB Novel burst-free, sustained release biocompatible and biodegradable microcapsules which can be programmed to release their active core for variable durations ranging from 1-100 days in an aqueous physiological environment. The microcapsules are comprised of a core of polypeptide or other biologically active agent encapsulated in a matrix of poly (lactide/glycolide) copolymer, which may contain a pharmaceutically-acceptable adjuvant, as a blend of uncapped free carboxyl end group and end-capped forms ranging in ratios from 100/0 to 1/99.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:190752 USPATFULL

TITLE: Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix

INVENTOR(S): Setterstrom, Jean A., Alpharetta, GA, United States
 Van Hamont, John E., Fort Meade, MD, United States
 Reid, Robert H., McComas, CT, United States
 Jacob, Elliot, Silver Spring, MD, United States
 Jeyanthi, Ramasubbu, Columbia, MD, United States
 Boedeker, Edgar C., Chevy Chase, MD, United States
 McQueen, Charles E., Olney, MD, United States
 Jarboe, Daniel L., Silver Spring, MD, United States
 Cassels, Frederick, Ellicott City, MD, United States
 Brown, William, Denver, CO, United States
 Thies, Curt, Ballwin, MO, United States
 Tice, Thomas R., Birmingham, AL, United States
 Roberts, F. Donald, Dover, MA, United States
 Friden, Phil, Bedford, MA, United States(4)

PATENT ASSIGNEE(S): The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6309669	B1	20011030
APPLICATION INFO.:	US 1997-789734		19970127 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-590973, filed on 24 Jan 1996, now abandoned Continuation-in-part of Ser. No. US 1995-446149, filed on 22 May 1995, now		

abandoned Continuation of Ser. No. US 1984-590308,
filed on 6 Mar 1984, now abandoned And Ser. No. US
789734 Continuation-in-part of Ser. No. US 1995-446148,
filed on 22 May 1995 Continuation-in-part of Ser. No.
US 1992-867301, filed on 10 Apr 1992, now patented,
Pat. No. US 5417986, issued on 23 May 1995
Continuation-in-part of Ser. No. US 1984-590308, filed
on 16 Mar 1984, now abandoned

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Harrison, Robert H.
LEGAL REPRESENTATIVE: Nash, Caroline, Arwine, Elizabeth
NUMBER OF CLAIMS: 25
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 87 Drawing Figure(s); 85 Drawing Page(s)
LINE COUNT: 6182
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 9 USPATFULL on STN

TI Sustained-release preparation

AB A sustained-release preparation comprising a bioactive substance having
an acidic group and a biodegradable polymer having an optionally
protected basic group which improves the rate of incorporation of the
bioactive substance, suppresses its leakage early after administration,
and exhibits constantly suppressed release for an extended period of
time.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:116578 USPATFULL
TITLE: Sustained-release preparation
INVENTOR(S): Hata, Yoshio, Toyonaka, Japan
Taira, Hikaru, Ikeda, Japan
Sato, Jun, Kawanishi, Japan
Iinuma, Satoshi, Kobe, Japan
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Osaka, Japan
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6264970	B1	20010724
APPLICATION INFO.:	US 1997-881143		19970624 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1996-165462	19960626
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Webman, Edward J.	
LEGAL REPRESENTATIVE:	Wenderoth, Lind & Ponack, L.L.P.	
NUMBER OF CLAIMS:	3	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1629	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 8 OF 9 USPATFULL on STN

TI Prolonged anesthesia in joints and body spaces

AB Sustained release local anesthetic formulations are administered intra
articularly and/or into body spaces/cavities. The formulation is
preferably a plurality of injectable microparticles including a local
anesthetic and an effective amount of a biocompatible, biodegradable,
sustained release material prolonging the release of the local
anesthetic and optionally and a pharmaceutically acceptable, i.e.,
non-toxic, augmenting agent effective to prolong the duration of the
local anesthesia for a time period longer than that obtainable without

the augmenting agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:93113 USPATFULL
TITLE: Prolonged anesthesia in joints and body spaces
INVENTOR(S): Goldenheim, Paul, Wilton, CT, United States
Lacouture, Peter, Newton, CT, United States
Donigi-Gale, Donna, Richfield, CT, United States
Chasin, Mark, Manalapan, NJ, United States
Sackler, Richard, Greenwich, CT, United States
PATENT ASSIGNEE(S): Euro-Celtique, S.A., Luxembourg, Luxembourg (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6248345	B1	20010619
APPLICATION INFO.:	US 1998-109324		19980702 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-51601P	19970702 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Azpuru, Carlos A.	
LEGAL REPRESENTATIVE:	Davidson, Davidson, & Kappel, LLC.	
NUMBER OF CLAIMS:	38	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 1 Drawing Page(s)	
LINE COUNT:	2562	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 9 OF 9 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

TI **Microcapsule** compositions for burst-free, sustained release of active agents - comprising active agent and blend of uncapped and end-capped biodegradable **poly(lactide/glycolide)**.

AN 1997-393337 [36] WPIDS

CR 1991-295351 [40]; 1995-199683 [26]; 1996-019737 [02]; 1998-031704 [03]; 1998-129287 [12]; 1998-347245 [30]; 1998-437043 [37]; 2001-396353 [42]; 2003-101718 [09]; 2003-615263 [58]; 2003-730043 [69]; 2003-730422 [69]

AB WO 9726869 A UPAB: 20031027

The following are claimed: (A) a controlled release **microcapsule** pharmaceutical formulation, for burst-free, sustained, programmable release of a biologically active agent over 1-100 days, comprising an active agent and a blend of uncapped and end-capped biodegradable **poly(lactide/glycolide)** (PLG). (B) preparing controlled release **microcapsule** formulations characterised by burst-free, sustained, programmable release of biologically active agents, comprising: (a) dissolving biodegradable PLG, in uncapped or end-capped form, in methylene chloride, and dissolving an active agent or active core in water; (b) adding the aqueous layer to the polymer solution and emulsifying to provide an inner water-in-oil emulsion; (c) stabilising the emulsion in a solvent-saturated aqueous phase containing an oil-in-water emulsifier; (d) adding the water-in-oil emulsion to an external aqueous layer containing oil-in-water emulsifier to form a ternary emulsion; and (e) stirring the resulting water-in-oil-in-water emulsion for sufficient time to remove the solvent, rinsing the **hardened** microcapsules with water, and lyophilising the microcapsules.

USE - The microcapsules are useful for sustained, burst-free, release of active agents, e.g., polypeptides, over long periods of time.

ADVANTAGE - The microcapsules show high encapsulation efficiency. The carrier polymer is completely degraded to innocuous components. The microcapsules are easily administered via, e.g., oral, parenteral, topical, nasal or vaginal routes.

Dwg.0/7

ACCESSION NUMBER: 1997-393337 [36] WPIDS
 CROSS REFERENCE: 1991-295351 [40]; 1995-199683 [26]; 1996-019737 [02];
 1998-031704 [03]; 1998-129287 [12]; 1998-347245 [30];
 1998-437043 [37]; 2001-396353 [42]; 2003-101718 [09];
 2003-615263 [58]; 2003-730043 [69]; 2003-730422 [69]
 DOC. NO. CPI: C1997-126303
 TITLE: **Microcapsule** compositions for burst-free,
 sustained release of active agents - comprising active
 agent and blend of uncapped and end-capped biodegradable
poly(lactide/glycolide).
 DERWENT CLASS: A23 A25 A96 B04 B07
 INVENTOR(S): FRIDEN, P; JEYANTHI, R; MCQUEEN, C E; REID, R H; ROBERTS,
 F D; SETTERSTROM, J A; VAN HAMONT, J F
 PATENT ASSIGNEE(S): (USSA) US SEC OF ARMY
 COUNTRY COUNT: 71
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
WO 9726869	A1	19970731	(199736)*	EN	52
RW: AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG					
W: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN					
AU 9714104	A	19970820	(199749)		
EP 817619	A1	19980114	(199807)	EN	
R: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
NZ 325561	A	19990629	(199931)		
JP 11509862	W	19990831	(199946)	40	
KR 98703429	A	19981105	(199954)		
MX 9707310	A1	19980601	(200009)		
BR 9607752	A	19991130	(200014)		
AU 722884	B	20000810	(200043)		
NZ 335409	A	20001222	(200104)		
CN 1188408	A	19980722	(200270)		

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
WO 9726869	A1	WO 1996-US19440	19961118
AU 9714104	A	AU 1997-14104	19961118
EP 817619	A1	EP 1996-944247	19961118
		WO 1996-US19440	19961118
NZ 325561	A	NZ 1996-325561	19961118
		WO 1996-US19354	19961118
JP 11509862	W	WO 1996-US19440	19961118
		JP 1997-526833	19961118
KR 98703429	A	WO 1996-US19440	19961118
		KR 1997-706833	19970924
MX 9707310	A1	MX 1997-7310	19970924
BR 9607752	A	BR 1996-7752	19961118
		WO 1996-US19440	19961118
AU 722884	B	AU 1997-14104	19961118
NZ 335409	A Div ex	NZ 1996-325561	19961118
		NZ 1996-335409	19961118
CN 1188408	A	CN 1996-194768	19961118

FILING DETAILS:

PATENT NO	KIND	PATENT NO

AU 9714104	A	Based on	WO 9726869
EP 817619	A1	Based on	WO 9726869
NZ 325561	A	Based on	WO 9726869
JP 11509862	W	Based on	WO 9726869
KR 98703429	A	Based on	WO 9726869
BR 9607752	A	Based on	WO 9726869
AU 722884	B	Previous Publ.	AU 9714104
		Based on	WO 9726869
NZ 335409	A	Div ex	NZ 325561

PRIORITY APPLN. INFO: US 1996-590973 19960124

=> d his

(FILE 'HOME' ENTERED AT 09:54:31 ON 25 JUN 2004)

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS, FSTA, JICST-EPLUS, BIOSIS' ENTERED AT 09:54:58 ON 25 JUN 2004

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L1      276 S " POLY(LACTIDE-GLYCOLIDE) "
L2      19015 S MICROCAPSULE
L3      157088 S HARDENED
L4      1157 S L3 AND L2
L5      9 S L4 AND L1

```

=> s controlled release composition
L6 648 CONTROLLED RELEASE COMPOSITION

=> l6 and burst free
L6 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l6 and burst free
L7 0 L6 AND BURST FREE

=> s l6 and (burst free)
L8 0 L6 AND (BURST FREE)

=> s programmable release
L9 47 PROGRAMMABLE RELEASE

=> s l9 and l6
L10 0 L9 AND L6

=> s l1 and l2
L11 62 L1 AND L2

=> s l11 and l5
L12 9 L11 AND L5

=> e setterstrom, j/au

E1	17	SETTERSTROM JEAN A/AU
E2	1	SETTERSTROM WILLIAM R/AU
E3	0 -->	SETTERSTROM, J/AU
E4	1	SETTERTBULTE WOLFGANG/AU
E5	5	SETTERTOBULETE W/AU
E6	3	SETTERWALL F/AU
E7	2	SETTERWALL FREDRIK/AU
E8	1	SETTERWALL M/AU
E9	1	SETTES G G/AU
E10	21	SETTESOLDI D/AU
E11	6	SETTESOLDI DANIELA/AU

E12 1 SETTESTROM J A/AU

=> s e1

L13 17 "SETTERSTROM JEAN A"/AU

=> d l13 ti abs ibib tot

L13 ANSWER 1 OF 17 USPATFULL on STN

TI Vaccines against diseases caused by enteropathogenic organisms using antigens encapsulated within biodegradable-biocompatible microspheres

AB This invention relates to an immunostimulating composition comprising encapsulating microspheres, which may contain a pharmaceutically-acceptable adjuvant, wherein said microspheres having a diameter between 1 nanometer (nm) to 10 microns (um) are comprised of (a) a biodegradable-biocompatible poly(DL-lactide-co-glycolide) as the bulk matrix, wherein the relative ratio between the amount of lactide and glycolide components are within the range of 40:60 to 0:100 and wherein said poly (DL-lactide-co-glycolide) is present in an uncapped form and an end-capped form wherein a ratio of uncapped to end-capped forms is 99/1 to 1/99, and (b) an immunogenic substance comprising Colony Factor Antigen (CFA/II), hepatitis B surface antigen (HbsAg), or a physiologically similar antigen that serves to elicit the production of antibodies in animal subjects. The preparation of its composition and its use as a vaccine is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:231691 USPATFULL

TITLE: Vaccines against diseases caused by enteropathogenic organisms using antigens encapsulated within biodegradable-biocompatible microspheres

INVENTOR(S): Reid, Robert H., Kensington, MD, UNITED STATES
Setterstrom, Jean A., Alpharetta, GA, UNITED STATES

Boedeker, Edgar, Crownsville, MD, UNITED STATES
VanHamont, John, Fort Meade, MD, UNITED STATES
McQueen, Charles, Olney, MD, UNITED STATES
Cassels, Frederick, Ellicott City, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003161889	A1	20030828
APPLICATION INFO.:	US 2002-224125	A1	20020820 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-9986, filed on 21 Jan 1998, PENDING Continuation-in-part of Ser. No. US 1997-789734, filed on 27 Jan 1997, GRANTED, Pat. No. US 6309669 Continuation-in-part of Ser. No. US 1994-362944, filed on 23 Dec 1994, ABANDONED Continuation of Ser. No. US 1993-34949, filed on 22 Mar 1993, ABANDONED Continuation-in-part of Ser. No. US 1992-867301, filed on 10 Apr 1992, GRANTED, Pat. No. US 5417986 Continuation-in-part of Ser. No. US 1991-805721, filed on 21 Nov 1991, ABANDONED Continuation-in-part of Ser. No. US 1991-690485, filed on 24 Apr 1991, ABANDONED Continuation-in-part of Ser. No. US 1990-521945, filed on 11 May 1990, ABANDONED Continuation-in-part of Ser. No. US 1990-493597, filed on 15 Mar 1990, ABANDONED Continuation-in-part of Ser. No. US 1984-590308, filed on 16 Mar 1984, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Nash & Titus, LLC, 3415 Brookeville Road, Brookeville, MD, 20833		
NUMBER OF CLAIMS:	33		
EXEMPLARY CLAIM:	22		

NUMBER OF DRAWINGS: 70 Drawing Page(s)
LINE COUNT: 3915
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 2 OF 17 USPATFULL on STN

TI Sustained release hydrophobic bioactive PLGA microspheres
AB A controlled release microcapsulate pharmaceutical formulation for burst-free, sustained, programmable release of hydrophobic bioactive agent over a duration from 24 hours to 100 days comprising: and a blend of end-capped uncapped biocompatible, biodegradable poly(lactide/glycolide).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:187446 USPATFULL
TITLE: Sustained release hydrophobic bioactive PLGA microspheres
INVENTOR(S): Vook, Noelle Christine, Schaumburg, IL, UNITED STATES
Jacob, Elliott, Silver Spring, MD, UNITED STATES
Setterstrom, Jean A., Alpharetta, GA, UNITED STATES
Hamont, John van, West Point, NY, UNITED STATES
Vaughan, William, Silver Spring, MD, UNITED STATES
Duong, Ha, Montclair, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003129233	A1	20030710
APPLICATION INFO.:	US 2002-165975	A1	20020610 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1997-920326, filed on 21 Aug 1997, GRANTED, Pat. No. US 6447796		
	Continuation-in-part of Ser. No. US 1996-698896, filed on 16 Aug 1996, GRANTED, Pat. No. US 5705197		
	Continuation-in-part of Ser. No. US 1994-242960, filed on 16 May 1994, GRANTED, Pat. No. US 5693343		
	Continuation-in-part of Ser. No. US 1996-675895, filed on 5 Jul 1996, GRANTED, Pat. No. US 6217911		
	Continuation-in-part of Ser. No. US 1997-789734, filed on 27 Jan 1997, GRANTED, Pat. No. US 6309669		
	Continuation-in-part of Ser. No. US 1996-590973, filed on 24 Jan 1996, ABANDONED		
	Continuation-in-part of Ser. No. US 1995-446149, filed on 22 May 1995, ABANDONED		
	Continuation-in-part of Ser. No. US 1995-446148, filed on 22 May 1995, GRANTED, Pat. No. US 6410056		

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Nash & Titus, LLC, Suite 1000, 3415 Brookeville Road, Brookeville, MD, 20833

NUMBER OF CLAIMS: 19
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 21 Drawing Page(s)
LINE COUNT: 1850
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 3 OF 17 USPATFULL on STN

TI Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres
AB A controlled release microcapsule pharmaceutical formulation for burst-free, sustained, programmable release of a non-steroidal, antiinflammatory drug over a duration from 24 hours to 2 months, comprising: a non-steroidal, antiinflammatory drug and a blend of biocompatible, biodegradable poly (lactide/glycolide).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:59966 USPATFULL

TITLE: Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres

INVENTOR(S): Vaughn, William M., Silver Spring, MD, United States
 Van Hamont, John E., Ft. Meade, MD, United States
 Setterstrom, Jean A., Alpharetta, GA, United States

PATENT ASSIGNEE(S): The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6528097	B1	20030304
APPLICATION INFO.:	US 2000-716856		20001120 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-675895, filed on 5 Jul 1996, now patented, Pat. No. US 6217911 Continuation-in-part of Ser. No. US 1995-446149, filed on 22 May 1995, now abandoned Continuation of Ser. No. US 1984-590308, filed on 16 Mar 1984, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Travers, Russell		
ASSISTANT EXAMINER:	Willis, Michael A.		
LEGAL REPRESENTATIVE:	Arwine, Elizabeth		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	870		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L13 ANSWER 4 OF 17 USPATFULL on STN

TI Sustained release hydrophobic bioactive PLGA microspheres

AB A controlled release microcapsulate pharmaceutical formulation for burst-free, sustained, programmable release of hydrophobic bioactive agent over a duration from 24 hours to 100 days comprising: and a blend of end-capped uncapped biocompatible, biodegradable poly(lactide/glycolide).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:230620 USPATFULL

TITLE: Sustained release hydrophobic bioactive PLGA microspheres

INVENTOR(S): Vook, Noelle Christine, Schaumburg, IL, United States
 Jacob, Elliott, Silver Spring, MD, United States
 Setterstrom, Jean A., Alpharetta, GA, United States
 van Hamont, John, West Point, NY, United States
 Vaughan, William, Silver Spring, MD, United States
 Duong, Ha, Montclair, CA, United States

PATENT ASSIGNEE(S): The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6447796	B1	20020910
APPLICATION INFO.:	US 1997-920326		19970821 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-698896, filed on 16 Aug 1996, now patented, Pat. No. US 5705197 Continuation-in-part of Ser. No. US 1994-242960, filed on 16 May 1994, now patented, Pat. No. US 5693343 Continuation-in-part of Ser. No. US 1996-675895, filed on 5 Jul 1996, now patented, Pat. No. US 6217911 Continuation-in-part of Ser. No. US 1997-789734, filed		

on 27 Jan 1997, now patented, Pat. No. US 6309669
Continuation-in-part of Ser. No. US 1996-590973, filed
on 24 Jan 1996, now abandoned Continuation-in-part of
Ser. No. US 1995-446149, filed on 22 May 1995, now
abandoned Continuation-in-part of Ser. No. US
1995-446148, filed on 22 May 1995

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Criares, Theodore J.
LEGAL REPRESENTATIVE: Arwine, Elizabeth, Harris, Charles H., Moran, John
Francis
NUMBER OF CLAIMS: 18
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 24 Drawing Figure(s); 21 Drawing Page(s)
LINE COUNT: 1770
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 5 OF 17 USPATFULL on STN

TI Chemotherapeutic treatment of bacterial infections with an antibiotic
encapsulated within a biodegradable polymeric matrix
AB Biodegradable pharmaceutical compositions and method for treating
bacterial infections therein.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:152238 USPATFULL
TITLE: Chemotherapeutic treatment of bacterial infections with
an antibiotic encapsulated within a biodegradable
polymeric matrix
INVENTOR(S): Setterstrom, Jean A., Silver Spring, MD,
United States
Jacob, Elliot, Silver Spring, MD, United States
Tice, Thomas R., Birmingham, AL, United States(4)
PATENT ASSIGNEE(S): The United States of America as represented by the
Secretary of the Army, Washington, DC, United States
(U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6410056	B1	20020625
APPLICATION INFO.:	US 1995-446148		19950522 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-209350, filed on 7 Jan 1994, now abandoned Continuation-in-part of Ser. No. US 1990-493597, filed on 15 Mar 1990, now abandoned Continuation-in-part of Ser. No. US 1984-590308, filed on 16 Mar 1984, now abandoned		

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Page, Thurman K.
ASSISTANT EXAMINER: Howard, S.
LEGAL REPRESENTATIVE: Arwine, Elizabeth, Harris, Charles H., Moran, John
Francis
NUMBER OF CLAIMS: 47
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 6 Drawing Figure(s); 6 Drawing Page(s)
LINE COUNT: 1607
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 6 OF 17 USPATFULL on STN

TI Therapeutic treatment and prevention of infections with a bioactive
materials encapsulated within a biodegradable-biocompatible polymeric
matrix
AB Novel burst-free, sustained release biocompatible and biodegradable
microcapsules which can be programmed to release their active core for
variable durations ranging from 1-100 days in an aqueous physiological

environment. The microcapsules are comprised of a core of polypeptide or other biologically active agent encapsulated in a matrix of poly(lactide/glycolide) copolymer, which may contain a pharmaceutically-acceptable adjuvant, as a blend of upcapped free carboxyl end group and end-capped forms ranging in ratios from 100/0 to 1/99.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:190752 USPATFULL

TITLE: Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix

INVENTOR(S): Setterstrom, Jean A., Alpharetta, GA, United States

Van Hamont, John E., Fort Meade, MD, United States
Reid, Robert H., McComas, CT, United States
Jacob, Elliot, Silver Spring, MD, United States
Jeyanthi, Ramasubbu, Columbia, MD, United States
Boedeker, Edgar C., Chevy Chase, MD, United States
McQueen, Charles E., Olney, MD, United States
Jarboe, Daniel L., Silver Spring, MD, United States
Cassels, Frederick, Ellicott City, MD, United States
Brown, William, Denver, CO, United States
Thies, Curt, Ballwin, MO, United States
Tice, Thomas R., Birmingham, AL, United States
Roberts, F. Donald, Dover, MA, United States
Friden, Phil, Bedford, MA, United States(4)

PATENT ASSIGNEE(S): The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6309669	B1	20011030
APPLICATION INFO.:	US 1997-789734		19970127 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-590973, filed on 24 Jan 1996, now abandoned Continuation-in-part of Ser. No. US 1995-446149, filed on 22 May 1995, now abandoned Continuation of Ser. No. US 1984-590308, filed on 6 Mar 1984, now abandoned And Ser. No. US 789734 Continuation-in-part of Ser. No. US 1995-446148, filed on 22 May 1995 Continuation-in-part of Ser. No. US 1992-867301, filed on 10 Apr 1992, now patented, Pat. No. US 5417986, issued on 23 May 1995 Continuation-in-part of Ser. No. US 1984-590308, filed on 16 Mar 1984, now abandoned		

DOCUMENT TYPE: Utility

FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Harrison, Robert H.

LEGAL REPRESENTATIVE: Nash, Caroline, Arwine, Elizabeth

NUMBER OF CLAIMS: 25

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 87 Drawing Figure(s); 85 Drawing Page(s)

LINE COUNT: 6182

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 7 OF 17 USPATFULL on STN

TI sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres

AB A controlled release microcapsule pharmaceutical formulation for burst-free, sustained, programmable release of a non-steroidal, antiinflammatory drug over a duration from 24 hours to 2 months, comprising: a non-steroidal, antiinflammatory drug and a blend of biocompatible, biodegradable poly (lactide/glycolide).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:55489 USPATFULL
TITLE: sustained release non-steroidal, anti-inflammatory and
lidocaine PLGA microspheres
INVENTOR(S): Vaughn, William M., Silver Spring, MD, United States
Van Hamont, John E., Ft. Meade, MD, United States
Setterstrom, Jean A., Alpharetta, GA, United
States
PATENT ASSIGNEE(S): The United States of America as represented by the
Secretary of the Army, Washington, DC, United States
(U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6217911	B1	20010417
APPLICATION INFO.:	US 1996-675895		19960705 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-446149, filed on 22 May 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Harrison, Robert H.		
LEGAL REPRESENTATIVE:	Arwine, Elizabeth, Harris, Charles H.		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	861		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 8 OF 17 USPATFULL on STN

TI Vaccines against intracellular pathogens using antigens encapsulated
within biodegradable-biocompatible microspheres
AB This invention relates to parenteral and mucosal vaccines against
diseases caused by intracellular pathogens using antigens encapsulated
within a biodegradable-biocompatible microspheres(matrix).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:64760 USPATFULL
TITLE: Vaccines against intracellular pathogens using antigens
encapsulated within biodegradable-biocompatible
microspheres
INVENTOR(S): Burnett, Paul R., Silver Spring, MD, United States
Van Hamont, John E., Ft. Meade, MD, United States
Reid, Robert H., Kensington, MD, United States
Setterstrom, Jean A., Alpharetta, GA, United
States
Van Cott, Thomas C., Brookeville, MD, United States
Birx, Debrah L., Potomac, MD, United States
PATENT ASSIGNEE(S): The United States of America as represented by the
Secretary of the Army, Washington, DC, United States
(U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5762965		19980609
APPLICATION INFO.:	US 1996-598874		19960209 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-242960, filed on 16 May 1994 And Ser. No. US 1995-446149, filed on 22 May 1995 which is a continuation of Ser. No. US 1984-590308, filed on 16 Mar 1984, now abandoned, said Ser. No. US -242960 which is a continuation-in-part of Ser. No. US 1992-867301, filed on 10 Apr 1992, now patented, Pat. No. US 5417986 which is a continuation-in-part of Ser. No. US 1991-805721, filed		

on 21 Nov 1991, now abandoned which is a
continuation-in-part of Ser. No. US 1991-690485, filed
on 24 Apr 1991, now abandoned which is a
continuation-in-part of Ser. No. US 1990-521945, filed
on 11 May 1990, now abandoned

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Criares, Theodore J.
LEGAL REPRESENTATIVE: Bellamy, Werten F. W.
NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 2 Drawing Figure(s); 2 Drawing Page(s)
LINE COUNT: 315
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 9 OF 17 USPATFULL on STN

TI Extraction process for producing PLGA microspheres
AB A hybrid evaporation-extraction process for preparing microspheres of a
p(DL-lactide-to-glycolide) biodegradable polymer, comprising:

a. preparing a lyophilized biologically active material-sucrose matrix;
adding acetonitrile solvent to biologically active material-sucrose
matrix to form a solution;

b. preparing a solution of a biodegradable poly (DL-lactide-co-
glycolide) polymer by adding acetonitrile solvent to the polymer;

c. adding the biodegradable poly (DL-lactide-co-glycolide) polymer
acetonitrile solution to the biologically active material-sucrose
acetonitrile solution;

d. adding with stirring an oil containing lecithin to the poly
(DL-lactide-co-glycolide) polymer-sucrose-biologically active material
solution to evaporate acetonitrile and form an emulsion containing
microspheres of poly (DL-lactide-co-glycolide) biodegradable polymers;

e. adding the emulsion from step d. into a solvent selected from
heptane, hexane, pentane or isopropanol; and

f. collecting microspheres of poly (DL-lactide-co-glycolide)
biodegradable polymers of from 1.0 to about 10.0 micrometers after
filtration and washing with a fresh solvent selected from heptane,
hexane, pentane or isopropanol.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:1490 USPATFULL
TITLE: Extraction process for producing PLGA microspheres
INVENTOR(S): Van Hamont, John, Ft. Meade, MD, United States
Thies, Curt, Ballwin, MO, United States
Reid, Robert H., Kensington, MD, United States
McQueen, Charles E., Olney, MD, United States
Setterstrom, Jean A., Alpharetta, GA, United
States
PATENT ASSIGNEE(S): The United States of America as represented by the
Secretary of the Army, Washington, DC, United States
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5705197		19980106
APPLICATION INFO.:	US 1996-698896		19960816 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-242960, filed on 16 May 1994		
DOCUMENT TYPE:	Utility		

FILE SEGMENT: Granted
PRIMARY EXAMINER: Criares, Theodore J.
LEGAL REPRESENTATIVE: Bellamy, Werten F. W.
NUMBER OF CLAIMS: 10
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 7 Drawing Figure(s); 4 Drawing Page(s)
LINE COUNT: 464
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 10 OF 17 USPATFULL on STN

TI Microsphere drug application device
AB Apparatus and methods for dispensing medicinals encapsulated in a biodegradable polymer in surgical and other wounds are described. The apparatus, a microcapsule drug applicator, allows the caregiver to implant or spread measured and uniform quantities of microencapsulated medicinals in or on surgical or traumatic wounds to prevent and/or treat infections. Specific examples where microencapsulated antibiotics may prove useful include, soft-tissue wounds, following debridement and reduction or fixation of open fractures, to osteomyelitic bone after surgical debridement, after surgical insertion of prostheses such as hip/knee replacements (arthroplasty), and following vascular surgery or grafting.

ACCESSION NUMBER: 95:105307 USPATFULL
TITLE: Microsphere drug application device
INVENTOR(S): Setterstrom, Jean A., Silver Spring, MD, United States
Jacob, Elliot, Silver Spring, MD, United States
Franz, Walter K., Annapolis, MD, United States
PATENT ASSIGNEE(S): The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5470311		19951128
APPLICATION INFO.:	US 1994-248050		19940524 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1990-493597, filed on 15 Mar 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Maglione, Corrine M.		
LEGAL REPRESENTATIVE:	Moran, John Francis, Lane, Anthony T.		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	336		

L13 ANSWER 11 OF 17 USPATFULL on STN

TI Vaccines against diseases caused by enteropathogenic organisms using antigens encapsulated within biodegradable-biocompatible microspheres
AB This invention is directed to oral parenteral and intestinal vaccines and their use against diseases caused by enteropathogenic organisms using antigens encapsulated within biodegradable-biocompatible microspheres.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 95:45359 USPATFULL
TITLE: Vaccines against diseases caused by enteropathogenic organisms using antigens encapsulated within biodegradable-biocompatible microspheres
INVENTOR(S): Reid, Robert H., Kensington, MD, United States
Boedeker, Edgar C., Chevy Chase, MD, United States
van Hamont, John E., Shape, Belgium
Setterstrom, Jean A., Takoma Park, MD, United

PATENT ASSIGNEE(S): States
The United States of America as represented by the
Secretary of the Army, Washington, DC, United States
(U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5417986		19950523
APPLICATION INFO.:	US 1992-867301		19920410 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1991-805721, filed on 21 Nov 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-690485, filed on 24 Apr 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-521945, filed on 11 May 1990, now abandoned which is a continuation-in-part of Ser. No. US 1990-493597, filed on 15 Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US 1984-590308, filed on 16 Mar 1984		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Henley, III, Raymond J.		
ASSISTANT EXAMINER:	Criares, T. J.		
LEGAL REPRESENTATIVE:	Lane, Anthony T., Reichert, Earl T., Bellamy, Werten F. W.		
NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	71 Drawing Figure(s); 70 Drawing Page(s)		
LINE COUNT:	2736		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L13 ANSWER 12 OF 17 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres.

AB A controlled release microcapsule pharmaceutical formulation for burst-free, sustained, programmable release of a non-steroidal, antiinflammatory drug over a duration from 24 hours to 2 months, comprising: a non-steroidal, antiinflammatory drug and a blend of biocompatible, biodegradable poly (lactide/glycolide).

ACCESSION NUMBER: 2003:172843 BIOSIS

DOCUMENT NUMBER: PREV200300172843

TITLE: Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres.

AUTHOR(S): Vaughn, William M. [Inventor, Reprint Author]; Van Hamont, John E. [Inventor]; **Setterstrom, Jean A.** [Inventor]

CORPORATE SOURCE: Silver Spring, MD, USA
ASSIGNEE: The United States of America as represented by the Secretary of the Army

PATENT INFORMATION: US 6528097 March 04, 2003

SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Mar 4 2003) Vol. 1268, No. 1.
<http://www.uspto.gov/web/menu/patdata.html>. e-file.
ISSN: 0098-1133 (ISSN print).

DOCUMENT TYPE: Patent

LANGUAGE: English

ENTRY DATE: Entered STN: 2 Apr 2003

Last Updated on STN: 2 Apr 2003

L13 ANSWER 13 OF 17 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Sustained release hydrophobic bioactive PLGA microspheres.

AB A controlled release microcapsulate pharmaceutical formulation for burst-free, sustained, programmable release of hydrophobic bioactive agent over a duration from 24 hours to 100 days comprising: and a blend of

end-capped uncapped biocompatible, biodegradable poly(lactide/glycolide).
ACCESSION NUMBER: 2002:558004 BIOSIS
DOCUMENT NUMBER: PREV200200558004
TITLE: Sustained release hydrophobic bioactive PLGA microspheres.
AUTHOR(S): Vook, Noelle Christine [Inventor, Reprint author]; Jacob, Elliott [Inventor]; **Setterstrom, Jean A.** [Inventor]; van Hamont, John [Inventor]; Vaughan, William [Inventor]; Duong, Ha [Inventor]
CORPORATE SOURCE: Schaumburg, IL, USA
ASSIGNEE: The United States of America as represented by the Secretary of the Army
PATENT INFORMATION: US 6447796 September 10, 2002
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Sep. 10, 2002) Vol. 1262, No. 2.
<http://www.uspto.gov/web/menu/patdata.html>. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 30 Oct 2002
Last Updated on STN: 30 Oct 2002

L13 ANSWER 14 OF 17 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Chemotherapeutic treatment of bacterial infections with an antibiotic encapsulated within a biodegradable polymeric matrix.
AB Biodegradable pharmaceutical compositions and method for treating bacterial infections therein.

ACCESSION NUMBER: 2002:423667 BIOSIS
DOCUMENT NUMBER: PREV200200423667
TITLE: Chemotherapeutic treatment of bacterial infections with an antibiotic encapsulated within a biodegradable polymeric matrix.
AUTHOR(S): **Setterstrom, Jean A.** [Inventor, Reprint author]; Jacob, Elliot [Inventor]; Tice, Thomas R. [Inventor]
CORPORATE SOURCE: Silver Spring, MD, USA
ASSIGNEE: The United States of America as represented by the Secretary of the Army
PATENT INFORMATION: US 6410056 June 25, 2002
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (June 25, 2002) Vol. 1259, No. 4.
<http://www.uspto.gov/web/menu/patdata.html>. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 7 Aug 2002
Last Updated on STN: 7 Aug 2002

L13 ANSWER 15 OF 17 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix.
AB Novel burst-free, sustained release biocompatible and biodegradable microcapsules which can be programmed to release their active core for variable durations ranging from 1-100 days in an aqueous physiological environment. The microcapsules are comprised of a core of polypeptide or other biologically active agent encapsulated in a matrix of poly(lactide/glycolide) copolymer, which may contain a pharmaceutically-acceptable adjuvant, as a blend of upcapped free carboxyl end group and end-capped forms ranging in ratios from 100/0 to 1/99.

ACCESSION NUMBER: 2002:6987 BIOSIS
DOCUMENT NUMBER: PREV200200006987
TITLE: Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix.
AUTHOR(S): **Setterstrom, Jean A.** [Inventor, Reprint author];

Van Hamont, John E. [Inventor]; Reid, Robert H. [Inventor]; Jacob, Elliot [Inventor]; Jeyanthi, Ramasubbu [Inventor]; Boedeker, Edgar C. [Inventor]; McQueen, Charles E. [Inventor]; Jarboe, Daniel L. [Inventor]; Cassels, Frederick [Inventor]; Brown, William [Inventor]; Thies, Curt [Inventor]; Tice, Thomas R. [Inventor]; Roberts, F. Donald [Inventor]; Friden, Phil [Inventor]

CORPORATE SOURCE: Alpharetta, GA, USA
ASSIGNEE: The United States of America as represented by the Secretary of the Army
PATENT INFORMATION: US 6309669 October 30, 2001
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Oct. 30, 2001) Vol. 1251, No. 5. e-file. CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 28 Dec 2001
Last Updated on STN: 25 Feb 2002

L13 ANSWER 16 OF 17 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Effect of microencapsulated ampicillin on cell-mediated immune responses in mice.

AB The effects of free ampicillin, microencapsulated ampicillin anhydrate (MEAA) and antibiotic-free microspheres on the cell-mediated immune response in Balb/c mice were measured by lymphoproliferation assay, delayed-type hypersensitivity (DTH) and cytokine production. Injection into mice for seven consecutive days with equivalent subcutaneous doses of ampicillin, MEAA or placebo microspheres did not produce any consistent change in lymphocyte proliferation nor did it affect DTH responses or interleukin-2 production. Although the production of interleukin-4 in mice treated with ampicillin or MEAA increased compared with the control mice, this increase was not statistically significant. These results indicate that ampicillin and MEAA have similar effects on cell-mediated immunity in mice.

ACCESSION NUMBER: 1998:95204 BIOSIS
DOCUMENT NUMBER: PREV199800095204
TITLE: Effect of microencapsulated ampicillin on cell-mediated immune responses in mice.
AUTHOR(S): Barsoum, Ibrahim S. [Reprint author]; Kopydlowski, Karen M.; Burge, Robert; Setterstrom, Jean A.
CORPORATE SOURCE: c/o Col. Leslie Raulin, US Army Dental Res. Detachment, Walter Reed Army Inst. Res., 2701 Sheridan Rd., Build. I-H, Great Lakes, IL 60088-5259, USA
SOURCE: Journal of Antimicrobial Chemotherapy, (Nov., 1997) Vol. 40, No. 5, pp. 721-724. print. CODEN: JACHDX. ISSN: 0305-7453.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 25 Feb 1998
Last Updated on STN: 6 Apr 1998

L13 ANSWER 17 OF 17 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI A comparison of sustained bactericidal activity from tobramycin-loaded poly(lactide-co-glycolide) (PLG) microspheres produced by solvent extraction and by solvent evaporation.

ACCESSION NUMBER: 1995:290152 BIOSIS
DOCUMENT NUMBER: PREV199598304452
TITLE: A comparison of sustained bactericidal activity from tobramycin-loaded poly(lactide-co-glycolide) (PLG) microspheres produced by solvent extraction and by solvent evaporation.
AUTHOR(S): Madden, Emily F.; Pak, Sang J.; Jacob, Elliot; Setterstrom, Jean A.; Van Hamont, John E.
CORPORATE SOURCE: Walter Reed Army Inst. Res., Washington, DC, USA

SOURCE: Abstracts of the General Meeting of the American Society
for Microbiology, (1995) Vol. 95, No. 0, pp. 145.
Meeting Info.: 95th General Meeting of the American Society
for Microbiology. Washington, D.C., USA. May 21-25, 1995.
ISSN: 1060-2011.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 5 Jul 1995
Last Updated on STN: 5 Jul 1995

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L14 620017 HIS

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(FILE 'HOME' ENTERED AT 09:54:31 ON 25 JUN 2004)

FILE 'MEDLINE, USPATFULL, DGENE, EMBASE, WPIDS, FSTA, JICST-EPLUS,
BIOSIS' ENTERED AT 09:54:58 ON 25 JUN 2004

L1 276 S " POLY(LACTIDE-GLYCOLIDE) "
L2 19015 S MICROCAPSULE
L3 157088 S HARDENED
L4 1157 S L3 AND L2
L5 9 S L4 AND L1
L6 648 S CONTROLLED RELEASE COMPOSITION
L7 0 S L6 AND BURST FREE
L8 0 S L6 AND (BURST FREE)
L9 47 S PROGRAMMABLE RELEASE
L10 0 S L9 AND L6
L11 62 S L1 AND L2
L12 9 S L11 AND L5
E SETTERSTROM, J/AU
L13 17 S E1
L14 620017 S HIS

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L15 9 L1 AND L13

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L15 ANSWER 1 OF 9 USPATFULL on STN

TI Vaccines against diseases caused by enteropathogenic organisms using
antigens encapsulated within biodegradable-biocompatible microspheres
AB This invention relates to an immunostimulating composition comprising
encapsulating microspheres, which may contain a pharmaceutically-
acceptable adjuvant, wherein said microspheres having a diameter between
1 nanometer (nm) to 10 microns (um) are comprised of (a) a
biodegradable-biocompatible poly(DL-lactide-co-glycolide) as the bulk
matrix, wherein the relative ratio between the amount of lactide and
glycolide components are within the range of 40:60 to 0:100 and wherein
said poly (DL-lactide-co-glycolide) is present in an uncapped form and
an end-capped form wherein a ratio of uncapped to end-capped forms is
99/1 to 1/99, and (b) an immunogenic substance comprising Colony Factor
Antigen (CFA/II), hepatitis B surface antigen (HbsAg), or a
physiologically similar antigen that serves to elicit the production of
antibodies in animal subjects. The preparation of its composition and
its use as a vaccine is also disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:231691 USPATFULL

TITLE: Vaccines against diseases caused by enteropathogenic
organisms using antigens encapsulated within

INVENTOR(S): biodegradable-biocompatible microspheres
 Reid, Robert H., Kensington, MD, UNITED STATES
 Setterstrom, Jean A., Alpharetta, GA, UNITED STATES
 Boedeker, Edgar, Crownsville, MD, UNITED STATES
 VanHamont, John, Fort Meade, MD, UNITED STATES
 McQueen, Charles, Olney, MD, UNITED STATES
 Cassels, Frederick, Ellicott City, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003161889	A1	20030828
APPLICATION INFO.:	US 2002-224125	A1	20020820 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-9986, filed on 21 Jan 1998, PENDING Continuation-in-part of Ser. No. US 1997-789734, filed on 27 Jan 1997, GRANTED, Pat. No. US 6309669 Continuation-in-part of Ser. No. US 1994-362944, filed on 23 Dec 1994, ABANDONED Continuation of Ser. No. US 1993-34949, filed on 22 Mar 1993, ABANDONED Continuation-in-part of Ser. No. US 1992-867301, filed on 10 Apr 1992, GRANTED, Pat. No. US 5417986 Continuation-in-part of Ser. No. US 1991-805721, filed on 21 Nov 1991, ABANDONED Continuation-in-part of Ser. No. US 1991-690485, filed on 24 Apr 1991, ABANDONED Continuation-in-part of Ser. No. US 1990-521945, filed on 11 May 1990, ABANDONED Continuation-in-part of Ser. No. US 1990-493597, filed on 15 Mar 1990, ABANDONED Continuation-in-part of Ser. No. US 1984-590308, filed on 16 Mar 1984, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Nash & Titus, LLC, 3415 Brookeville Road, Brookeville, MD, 20833		
NUMBER OF CLAIMS:	33		
EXEMPLARY CLAIM:	22		
NUMBER OF DRAWINGS:	70 Drawing Page(s)		
LINE COUNT:	3915		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L15 ANSWER 2 OF 9 USPATFULL on STN
 TI Sustained release hydrophobic bioactive PLGA microspheres
 AB A controlled release microcapsulate pharmaceutical formulation for burst-free, sustained, programmable release of hydrophobic bioactive agent over a duration from 24 hours to 100 days comprising: and a blend of end-capped uncapped biocompatible, biodegradable poly(lactide/glycolide).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 ACCESSION NUMBER: 2003:187446 USPATFULL
 TITLE: Sustained release hydrophobic bioactive PLGA microspheres
 INVENTOR(S): Vook, Noelle Christine, Schaumburg, IL, UNITED STATES
 Jacob, Elliott, Silver Spring, MD, UNITED STATES
 Setterstrom, Jean A., Alpharetta, GA, UNITED STATES
 Hamont, John van, West Point, NY, UNITED STATES
 Vaughan, William, Silver Spring, MD, UNITED STATES
 Duong, Ha, Montclair, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003129233	A1	20030710
APPLICATION INFO.:	US 2002-165975	A1	20020610 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1997-920326, filed on 21		

Aug 1997, GRANTED, Pat. No. US 6447796
 Continuation-in-part of Ser. No. US 1996-698896, filed
 on 16 Aug 1996, GRANTED, Pat. No. US 5705197
 Continuation-in-part of Ser. No. US 1994-242960, filed
 on 16 May 1994, GRANTED, Pat. No. US 5693343
 Continuation-in-part of Ser. No. US 1996-675895, filed
 on 5 Jul 1996, GRANTED, Pat. No. US 6217911
 Continuation-in-part of Ser. No. US 1997-789734, filed
 on 27 Jan 1997, GRANTED, Pat. No. US 6309669
 Continuation-in-part of Ser. No. US 1996-590973, filed
 on 24 Jan 1996, ABANDONED Continuation-in-part of Ser.
 No. US 1995-446149, filed on 22 May 1995, ABANDONED
 Continuation-in-part of Ser. No. US 1995-446148, filed
 on 22 May 1995, GRANTED, Pat. No. US 6410056

DOCUMENT TYPE: Utility
 FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: Nash & Titus, LLC, Suite 1000, 3415 Brookeville Road,
 Brookeville, MD, 20833
 NUMBER OF CLAIMS: 19
 EXEMPLARY CLAIM: 1
 NUMBER OF DRAWINGS: 21 Drawing Page(s)
 LINE COUNT: 1850
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 3 OF 9 USPATFULL on STN
 TI Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA
 microspheres
 AB A controlled release microcapsule pharmaceutical formulation for
 burst-free, sustained, programmable release of a non-steroidal,
 antiinflammatory drug over a duration from 24 hours to 2 months,
 comprising: a non-steroidal, antiinflammatory drug and a blend of
 biocompatible, biodegradable poly (lactide/
 glycolide).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:59966 USPATFULL
 TITLE: Sustained release non-steroidal, anti-inflammatory and
 lidocaine PLGA microspheres
 INVENTOR(S): Vaughn, William M., Silver Spring, MD, United States
 Van Hamont, John E., Ft. Meade, MD, United States
 Setterstrom, Jean A., Alpharetta, GA, United
 States
 PATENT ASSIGNEE(S): The United States of America as represented by the
 Secretary of the Army, Washington, DC, United States
 (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6528097	B1	20030304
APPLICATION INFO.:	US 2000-716856		20001120 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-675895, filed on 5 Jul 1996, now patented, Pat. No. US 6217911 Continuation-in-part of Ser. No. US 1995-446149, filed on 22 May 1995, now abandoned Continuation of Ser. No. US 1984-590308, filed on 16 Mar 1984, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Travers, Russell		
ASSISTANT EXAMINER:	Willis, Michael A.		
LEGAL REPRESENTATIVE:	Arwine, Elizabeth		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	870		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 4 OF 9 USPATFULL on STN

TI Sustained release hydrophobic bioactive PLGA microspheres
AB A controlled release microcapsulate pharmaceutical formulation for burst-free, sustained, programmable release of hydrophobic bioactive agent over a duration from 24 hours to 100 days comprising: and a blend of end-capped uncapped biocompatible, biodegradable poly(lactide/glycolide).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:230620 USPATFULL
TITLE: Sustained release hydrophobic bioactive PLGA microspheres
INVENTOR(S): Vook, Noelle Christine, Schaumburg, IL, United States
Jacob, Elliott, Silver Spring, MD, United States
Setterstrom, Jean A., Alpharetta, GA, United States
van Hamont, John, West Point, NY, United States
Vaughan, William, Silver Spring, MD, United States
Duong, Ha, Montclair, CA, United States
PATENT ASSIGNEE(S): The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6447796	B1	20020910
APPLICATION INFO.:	US 1997-920326		19970821 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-698896, filed on 16 Aug 1996, now patented, Pat. No. US 5705197 Continuation-in-part of Ser. No. US 1994-242960, filed on 16 May 1994, now patented, Pat. No. US 5693343 Continuation-in-part of Ser. No. US 1996-675895, filed on 5 Jul 1996, now patented, Pat. No. US 6217911 Continuation-in-part of Ser. No. US 1997-789734, filed on 27 Jan 1997, now patented, Pat. No. US 6309669 Continuation-in-part of Ser. No. US 1996-590973, filed on 24 Jan 1996, now abandoned Continuation-in-part of Ser. No. US 1995-446149, filed on 22 May 1995, now abandoned Continuation-in-part of Ser. No. US 1995-446148, filed on 22 May 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Criares, Theodore J.		
LEGAL REPRESENTATIVE:	Arwine, Elizabeth, Harris, Charles H., Moran, John Francis		
NUMBER OF CLAIMS:	18		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	24 Drawing Figure(s); 21 Drawing Page(s)		
LINE COUNT:	1770		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 5 OF 9 USPATFULL on STN

TI Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix
AB Novel burst-free, sustained release biocompatible and biodegradable microcapsules which can be programmed to release their active core for variable durations ranging from 1-100 days in an aqueous physiological environment. The microcapsules are comprised of a core of polypeptide or other biologically active agent encapsulated in a matrix of poly(lactide/glycolide) copolymer, which may contain a pharmaceutically-acceptable adjuvant, as a blend of uncapped free

carboxyl end group and end-capped forms ranging in ratios from 100/0 to 1/99.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:190752 USPATFULL

TITLE: Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix

INVENTOR(S): **Setterstrom, Jean A.**, Alpharetta, GA, United States
Van Hamont, John E., Fort Meade, MD, United States
Reid, Robert H., McComas, CT, United States
Jacob, Elliot, Silver Spring, MD, United States
Jeyanthi, Ramasubbu, Columbia, MD, United States
Boedeker, Edgar C., Chevy Chase, MD, United States
McQueen, Charles E., Olney, MD, United States
Jarboe, Daniel L., Silver Spring, MD, United States
Cassels, Frederick, Ellicott City, MD, United States
Brown, William, Denver, CO, United States
Thies, Curt, Ballwin, MO, United States
Tice, Thomas R., Birmingham, AL, United States
Roberts, F. Donald, Dover, MA, United States
Friden, Phil, Bedford, MA, United States(4)

PATENT ASSIGNEE(S): The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6309669	B1	20011030
APPLICATION INFO.:	US 1997-789734		19970127 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-590973, filed on 24 Jan 1996, now abandoned Continuation-in-part of Ser. No. US 1995-446149, filed on 22 May 1995, now abandoned Continuation of Ser. No. US 1984-590308, filed on 6 Mar 1984, now abandoned And Ser. No. US 789734 Continuation-in-part of Ser. No. US 1995-446148, filed on 22 May 1995 Continuation-in-part of Ser. No. US 1992-867301, filed on 10 Apr 1992, now patented, Pat. No. US 5417986, issued on 23 May 1995 Continuation-in-part of Ser. No. US 1984-590308, filed on 16 Mar 1984, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Harrison, Robert H.		
LEGAL REPRESENTATIVE:	Nash, Caroline, Arwine, Elizabeth		
NUMBER OF CLAIMS:	25		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	87 Drawing Figure(s); 85 Drawing Page(s)		
LINE COUNT:	6182		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 6 OF 9 USPATFULL on STN

TI sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres

AB A controlled release microcapsule pharmaceutical formulation for burst-free, sustained, programmable release of a non-steroidal, antiinflammatory drug over a duration from 24 hours to 2 months, comprising: a non-steroidal, antiinflammatory drug and a blend of biocompatible, biodegradable poly (lactide/glycolide).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:55489 USPATFULL

TITLE: sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres
INVENTOR(S): Vaughn, William M., Silver Spring, MD, United States
Van Hamont, John E., Ft. Meade, MD, United States
Setterstrom, Jean A., Alpharetta, GA, United States
PATENT ASSIGNEE(S): The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6217911	B1	20010417
APPLICATION INFO.:	US 1996-675895		19960705 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-446149, filed on 22 May 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Harrison, Robert H.		
LEGAL REPRESENTATIVE:	Arwine, Elizabeth, Harris, Charles H.		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	861		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 7 OF 9 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres.

AB A controlled release microcapsule pharmaceutical formulation for burst-free, sustained, programmable release of a non-steroidal, antiinflammatory drug over a duration from 24 hours to 2 months, comprising: a non-steroidal, antiinflammatory drug and a blend of biocompatible, biodegradable poly (lactide/glycolide).

ACCESSION NUMBER: 2003:172843 BIOSIS
DOCUMENT NUMBER: PREV200300172843

TITLE: Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres.

AUTHOR(S): Vaughn, William M. [Inventor, Reprint Author]; Van Hamont, John E. [Inventor]; Setterstrom, Jean A. [Inventor]

CORPORATE SOURCE: Silver Spring, MD, USA
ASSIGNEE: The United States of America as represented by the Secretary of the Army

PATENT INFORMATION: US 6528097 March 04, 2003
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Mar 4 2003) Vol. 1268, No. 1.
<http://www.uspto.gov/web/menu/patdata.html>. e-file.
ISSN: 0098-1133 (ISSN print).

DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 2 Apr 2003
Last Updated on STN: 2 Apr 2003

L15 ANSWER 8 OF 9 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Sustained release hydrophobic bioactive PLGA microspheres.

AB A controlled release microcapsulate pharmaceutical formulation for burst-free, sustained, programmable release of hydrophobic bioactive agent over a duration from 24 hours to 100 days comprising: and a blend of end-capped uncapped biocompatible, biodegradable poly (lactide/glycolide).

ACCESSION NUMBER: 2002:558004 BIOSIS
DOCUMENT NUMBER: PREV200200558004

TITLE: Sustained release hydrophobic bioactive PLGA microspheres.
 AUTHOR(S): Vook, Noelle Christine [Inventor, Reprint author]; Jacob, Elliott [Inventor]; Setterstrom, Jean A. [Inventor]; van Hamont, John [Inventor]; Vaughan, William [Inventor]; Duong, Ha [Inventor]
 CORPORATE SOURCE: Schaumburg, IL, USA
 ASSIGNEE: The United States of America as represented by the Secretary of the Army
 PATENT INFORMATION: US 6447796 September 10, 2002
 SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Sep. 10, 2002) Vol. 1262, No. 2.
<http://www.uspto.gov/web/menu/patdata.html>. e-file.
 CODEN: OGUPE7. ISSN: 0098-1133.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 ENTRY DATE: Entered STN: 30 Oct 2002
 Last Updated on STN: 30 Oct 2002

L15 ANSWER 9 OF 9 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix.

AB Novel burst-free, sustained release biocompatible and biodegradable microcapsules which can be programmed to release their active core for variable durations ranging from 1-100 days in an aqueous physiological environment. The microcapsules are comprised of a core of polypeptide or other biologically active agent encapsulated in a matrix of poly (lactide/glycolide) copolymer, which may contain a pharmaceutically-acceptable adjuvant, as a blend of uncapped free carboxyl end group and end-capped forms ranging in ratios from 100/0 to 1/99.

ACCESSION NUMBER: 2002:6987 BIOSIS

DOCUMENT NUMBER: PREV200200006987

TITLE: Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix.

AUTHOR(S): Setterstrom, Jean A. [Inventor, Reprint author]; Van Hamont, John E. [Inventor]; Reid, Robert H. [Inventor]; Jacob, Elliot [Inventor]; Jeyanthi, Ramasubbu [Inventor]; Boedeker, Edgar C. [Inventor]; McQueen, Charles E. [Inventor]; Jarboe, Daniel L. [Inventor]; Cassels, Frederick [Inventor]; Brown, William [Inventor]; Thies, Curt [Inventor]; Tice, Thomas R. [Inventor]; Roberts, F. Donald [Inventor]; Friden, Phil [Inventor]

CORPORATE SOURCE: Alpharetta, GA, USA

ASSIGNEE: The United States of America as represented by the Secretary of the Army

PATENT INFORMATION: US 6309669 October 30, 2001

SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Oct. 30, 2001) Vol. 1251, No. 5. e-file.
 CODEN: OGUPE7. ISSN: 0098-1133.

DOCUMENT TYPE: Patent

LANGUAGE: English

ENTRY DATE: Entered STN: 28 Dec 2001

Last Updated on STN: 25 Feb 2002

=> e reid,r/au

E1	1	REID ZACHARIAH J/AU
E2	1	REID ZADOCK J B W/AU
E3	0 -->	REID,R/AU
E4	1	REIDA A K/AU
E5	2	REIDA A M/AU
E6	2	REIDA ABIGAIL K/AU
E7	1	REIDA EIICHI/AU

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E8      1      REIDA K B M/AU
E9      1      REIDA N/AU
E10     2      REIDA N V/AU
E11     1      REIDA NIKOLAI V/AU
E12     2      REIDA P/AU

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=> e van hamont, j/au

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E1      13     VAN HAMONT JOHN E/AU
E2      6      VAN HAMONT N/AU
E3      0 -->  VAN HAMONT, J/AU
E4      1      VAN HAMSERSVELT H W/AU
E5      1      VAN HAN G/AU
E6      1      VAN HANASTERT P J M/AU
E7      1      VAN HANDEL A B/AU
E8      4      VAN HANDEL AMBROSE B/AU
E9      1      VAN HANDEL D M/AU
E10     100     VAN HANDEL E/AU
E11     2      VAN HANDEL EMILE/AU
E12     10     VAN HANDEL G J/AU

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=> s e1

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L16      13 "VAN HAMONT JOHN E"/AU

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In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):end

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L16  ANSWER 1 OF 13      MEDLINE on STN

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TI  Structure-activity relationship study of antimalarial indolo
    [2,1-b]quinazoline-6,12-diones (tryptanthrins). Three dimensional
    pharmacophore modeling and identification of new antimalarial candidates.

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AB  A widely applicable three-dimensional QSAR pharmacophore model for
    antimalarial activity was developed from a set of 17 substituted
    antimalarial indolo[2,1-b]quinazoline-6,12-diones (tryptanthrins) that
    exhibited remarkable in vitro activity (below 100 ng/mL) against sensitive
    and multidrug-resistant Plasmodium falciparum malaria. The pharmacophore,
    which contains two hydrogen bond acceptors (lipid) and two hydrophobic
    (aromatic) features, was found to map well onto many well-known
    antimalarial drug classes including quinolines, chalcones, rhodamine dyes,
    Pfmrk cyclin dependent kinase inhibitors, malarial FabH inhibitors, and
    plasmepsin inhibitors. The phamacophore allowed searches for new
    antimalarial candidates from multiconformer 3D databases and enabled
    custom designed synthesis of new potent analogues.

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ACCESSION NUMBER: 2004097817      IN-PROCESS

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DOCUMENT NUMBER:  PubMed ID: 14987834

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TITLE:  Structure-activity relationship study of antimalarial
        indolo [2,1-b]quinazoline-6,12-diones (tryptanthrins).
        Three dimensional pharmacophore modeling and identification
        of new antimalarial candidates.

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AUTHOR:  Bhattacharjee Apurba K; Hartell Mark G; Nichols Daniel A;
        Hicks Rickey P; Stanton Benjamin; van Hamont John E
        ; Milhous Wilbur K

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CORPORATE SOURCE:  Department of Medicinal Chemistry, Division of Experimental
        Therapeutics, Walter Reed Army Institute of Research,
        Silver Spring, MD 20910-7500, U.S.A..
        apurba.bhattacharjee@na.amedd.army.mil

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SOURCE:  European journal of medicinal chemistry, (2004 Jan) 39 (1)
        59-67.

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Journal code: 0420510. ISSN: 0223-5234.
PUB. COUNTRY: France
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: IN-PROCESS; NONINDEXED; Priority Journals
ENTRY DATE: Entered STN: 20040302
Last Updated on STN: 20040410

L16 ANSWER 2 OF 13 MEDLINE on STN

TI Oral immunization of adult volunteers with microencapsulated enterotoxigenic Escherichia coli (ETEC) CS6 antigen.
AB As a step in the development of an oral vaccine against ETEC, we evaluated the safety and immunogenicity of CS6, a polymeric protein commonly found on the surface of ETEC. Formulations included 1 and 5mg doses of CS6, either encapsulated in biodegradable polymer poly(D, L)-lactide-co-glycolide (PLG), or as free protein, administered orally in a solution of either normal saline or a rice-based buffer. Three doses of CS6 were given at 2-week intervals. Blood was collected immediately before and 7 days after each dose. All formulations were well tolerated. Four of five volunteers who received 1mg CS6 in PLG microspheres with buffer had significant IgA ASC responses (median=30 ASC per 10(6) PBMC) and significant serum IgG responses (median=3.5-fold increase). Oral administration of these prototype ETEC vaccine formulations are safe and can elicit immune responses. The ASC, serum IgA, and serum IgG responses to CS6 are similar in magnitude to the responses after challenge with wild-type ETEC [Coster et al., unpublished data]. Further studies are underway to determine whether these immune responses are sufficient for protection.

ACCESSION NUMBER: 2003025548 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12531630
TITLE: Oral immunization of adult volunteers with microencapsulated enterotoxigenic Escherichia coli (ETEC) CS6 antigen.
AUTHOR: Katz David E; DeLorimier Arthur J; Wolf Marcia K; Hall Eric R; Cassels Frederick J; van Hamont John E; Newcomer Rhonda L; Davachi Mitra A; Taylor David N; McQueen Charles E
CORPORATE SOURCE: Department of Enteric Infections, Walter Reed Army Institute of Research (WRAIR), Silver Spring, MD 20910-7500, USA.. david.katz@na.amedd.army.mil
SOURCE: Vaccine, (2003 Jan 17) 21 (5-6) 341-6.
Journal code: 8406899. ISSN: 0264-410X.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: (CLINICAL TRIAL)
(CONTROLLED CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200309
ENTRY DATE: Entered STN: 20030118
Last Updated on STN: 20030903
Entered Medline: 20030902

L16 ANSWER 3 OF 13 USPATFULL on STN

TI Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres
AB A controlled release microcapsule pharmaceutical formulation for burst-free, sustained, programmable release of a non-steroidal, antiinflammatory drug over a duration from 24 hours to 2 months, comprising: a non-steroidal, antiinflammatory drug and a blend of biocompatible, biodegradable poly (lactide/glycolide).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:59966 USPATFULL

TITLE: Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres

INVENTOR(S): Vaughn, William M., Silver Spring, MD, United States
Van Hamont, John E., Ft. Meade, MD, United States

PATENT ASSIGNEE(S): Setterstrom, Jean A., Alpharetta, GA, United States
The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6528097	B1	20030304
APPLICATION INFO.:	US 2000-716856		20001120 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 1996-675895, filed on 5 Jul 1996, now patented, Pat. No. US 6217911 Continuation-in-part of Ser. No. US 1995-446149, filed on 22 May 1995, now abandoned Continuation of Ser. No. US 1984-590308, filed on 16 Mar 1984, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Travers, Russell		
ASSISTANT EXAMINER:	Willis, Michael A.		
LEGAL REPRESENTATIVE:	Arwine, Elizabeth		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	870		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 4 OF 13 USPATFULL on STN

TI Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix

AB Novel burst-free, sustained release biocompatible and biodegradable microcapsules which can be programmed to release their active core for variable durations ranging from 1-100 days in an aqueous physiological environment. The microcapsules are comprised of a core of polypeptide or other biologically active agent encapsulated in a matrix of poly(lactide/glycolide) copolymer, which may contain a pharmaceutically-acceptable adjuvant, as a blend of uncapped free carboxyl end group and end-capped forms ranging in ratios from 100/0 to 1/99.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:190752 USPATFULL

TITLE: Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix

INVENTOR(S): Setterstrom, Jean A., Alpharetta, GA, United States
Van Hamont, John E., Fort Meade, MD, United States
Reid, Robert H., McComas, CT, United States
Jacob, Elliot, Silver Spring, MD, United States
Jeyanthi, Ramasubbu, Columbia, MD, United States
Boedeker, Edgar C., Chevy Chase, MD, United States
McQueen, Charles E., Olney, MD, United States
Jarboe, Daniel L., Silver Spring, MD, United States
Cassels, Frederick, Ellicott City, MD, United States
Brown, William, Denver, CO, United States
Thies, Curt, Ballwin, MO, United States
Tice, Thomas R., Birmingham, AL, United States
Roberts, F. Donald, Dover, MA, United States
Friden, Phil, Bedford, MA, United States(4)

PATENT ASSIGNEE(S): The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6309669	B1	20011030
APPLICATION INFO.:	US 1997-789734		19970127 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1996-590973, filed on 24 Jan 1996, now abandoned Continuation-in-part of Ser. No. US 1995-446149, filed on 22 May 1995, now abandoned Continuation of Ser. No. US 1984-590308, filed on 6 Mar 1984, now abandoned And Ser. No. US 789734 Continuation-in-part of Ser. No. US 1995-446148, filed on 22 May 1995 Continuation-in-part of Ser. No. US 1992-867301, filed on 10 Apr 1992, now patented, Pat. No. US 5417986, issued on 23 May 1995 Continuation-in-part of Ser. No. US 1984-590308, filed on 16 Mar 1984, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Harrison, Robert H.		
LEGAL REPRESENTATIVE:	Nash, Caroline, Arwine, Elizabeth		
NUMBER OF CLAIMS:	25		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	87 Drawing Figure(s); 85 Drawing Page(s)		
LINE COUNT:	6182		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L16 ANSWER 5 OF 13 USPATFULL on STN

TI sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres

AB A controlled release microcapsule pharmaceutical formulation for burst-free, sustained, programmable release of a non-steroidal, antiinflammatory drug over a duration from 24 hours to 2 months, comprising: a non-steroidal, antiinflammatory drug and a blend of biocompatible, biodegradable poly (lactide/glycolide).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:55489 USPATFULL

TITLE: sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres

INVENTOR(S): Vaughn, William M., Silver Spring, MD, United States
Van Hamont, John E., Ft. Meade, MD, United States

PATENT ASSIGNEE(S): Setterstrom, Jean A., Alpharetta, GA, United States
The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6217911	B1	20010417
APPLICATION INFO.:	US 1996-675895		19960705 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1995-446149, filed on 22 May 1995		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Harrison, Robert H.		
LEGAL REPRESENTATIVE:	Arwine, Elizabeth, Harris, Charles H.		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	10 Drawing Figure(s); 7 Drawing Page(s)		
LINE COUNT:	861		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 6 OF 13 USPATFULL on STN

TI Vaccines against intracellular pathogens using antigens encapsulated within biodegradable-biocompatible microspheres

AB This invention relates to parenteral and mucosal vaccines against diseases caused by intracellular pathogens using antigens encapsulated within a biodegradable-biocompatible microspheres(matrix).

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 1998:64760 USPATFULL

TITLE: Vaccines against intracellular pathogens using antigens encapsulated within biodegradable-biocompatible microspheres

INVENTOR(S): Burnett, Paul R., Silver Spring, MD, United States
Van Hamont, John E., Ft. Meade, MD, United States

Reid, Robert H., Kensington, MD, United States
Setterstrom, Jean A., Alpharetta, GA, United States
Van Cott, Thomas C., Brookeville, MD, United States
Birr, Deborah L., Potomac, MD, United States

PATENT ASSIGNEE(S): The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5762965		19980609
APPLICATION INFO.:	US 1996-598874		19960209 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1994-242960, filed on 16 May 1994 And Ser. No. US 1995-446149, filed on 22 May 1995 which is a continuation of Ser. No. US 1984-590308, filed on 16 Mar 1984, now abandoned, said Ser. No. US -242960 which is a continuation-in-part of Ser. No. US 1992-867301, filed on 10 Apr 1992, now patented, Pat. No. US 5417986 which is a continuation-in-part of Ser. No. US 1991-805721, filed on 21 Nov 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-690485, filed on 24 Apr 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-521945, filed on 11 May 1990, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Criares, Theodore J.		
LEGAL REPRESENTATIVE:	Bellamy, Werten F. W.		
NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	315		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 7 OF 13 USPATFULL on STN

TI Microparticle carriers of maximal uptake capacity by both M cells and non-M cells

AB In a solvent extraction process for preparing microspheres of a biodegradable polymer, the improvement comprising: preparing a homogenized antigen-sucrose matrix and adding a solvent to the sucrose-antigen matrix to form a solution; preparing a solution of a biodegradable polymer by adding a solvent to the polymer; adding the biodegradable polymer solution to the antigen-sucrose solution; adding an oil to the polymer-sucrose-antigen solution to form an emulsion having a controlled viscosity that corresponds to a predetermined average particle size of distributions of microspheres of biodegradable polymers; centrifuging

the emulsion of controlled viscosity and removing the supernatant to obtain microspheres of a predetermined range of particle size distributions of from about 0.5 to about 7.0 micrometers.

An immunostimulating composition comprising an encapsulating-microsphere of the biodegradable polymer has an average particle size distribution such that the majority of the microspheres will be taken up by the villous epithelium section of the intestines of a mammalian subject when administered as a vaccine against diseases caused by enteropathogenic organisms.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 97:112180 USPATFULL
TITLE: Microparticle carriers of maximal uptake capacity by both M cells and non-M cells
INVENTOR(S): Reid, Robert H., Kensington, MD, United States
van Hamont, John E., Fort Meade, MD, United States
Brown, William R., Denver, CO, United States
Boedeker, Edgar C., Chevy Chase, MD, United States
Thies, Curt, Ballwin, MO, United States
PATENT ASSIGNEE(S): The United States of America as represented by the Secretary of the Army, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5693343		19971202
APPLICATION INFO.:	US 1994-242960		19940516 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1992-867301, filed on 10 Apr 1992, now patented, Pat. No. US 5417986 which is a continuation-in-part of Ser. No. US 1991-805721, filed on 21 Nov 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-690485, filed on 24 Apr 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-521945, filed on 11 May 1990, now abandoned which is a continuation-in-part of Ser. No. US 1990-493597, filed on 15 Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US 1984-590308, filed on 16 Mar 1984		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Criares, Theodore J.		
LEGAL REPRESENTATIVE:	Bellamy, Werten F. W.		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	19 Drawing Figure(s); 19 Drawing Page(s)		
LINE COUNT:	624		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 8 OF 13 USPATFULL on STN

TI Vaccines against diseases caused by enteropathogenic organisms using antigens encapsulated within biodegradable-biocompatible microspheres
AB This invention is directed to oral parenteral and intestinal vaccines and eir use against diseases caused by enteropathogenic organisms using antigens encapsulated within biodegradable-biocompatible microspheres.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 95:45359 USPATFULL
TITLE: Vaccines against diseases caused by enteropathogenic organisms using antigens encapsulated within biodegradable-biocompatible microspheres
INVENTOR(S): Reid, Robert H., Kensington, MD, United States

Boedeker, Edgar C., Chevy Chase, MD, United States
van Hamont, John E., Shape, Belgium
 Setterstrom, Jean A., Takoma Park, MD, United States
 PATENT ASSIGNEE(S): The United States of America as represented by the
 Secretary of the Army, Washington, DC, United States
 (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5417986		19950523
APPLICATION INFO.:	US 1992-867301		19920410 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1991-805721, filed on 21 Nov 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-690485, filed on 24 Apr 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-521945, filed on 11 May 1990, now abandoned which is a continuation-in-part of Ser. No. US 1990-493597, filed on 15 Mar 1990, now abandoned which is a continuation-in-part of Ser. No. US 1984-590308, filed on 16 Mar 1984		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Henley, III, Raymond J.		
ASSISTANT EXAMINER:	Criares, T. J.		
LEGAL REPRESENTATIVE:	Lane, Anthony T., Reichert, Earl T., Bellamy, Werten F. W.		
NUMBER OF CLAIMS:	14		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	71 Drawing Figure(s); 70 Drawing Page(s)		
LINE COUNT:	2736		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L16 ANSWER 9 OF 13 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 TI Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres.
 AB A controlled release microcapsule pharmaceutical formulation for burst-free, sustained, programmable release of a non-steroidal, antiinflammatory drug over a duration from 24 hours to 2 months, comprising: a non-steroidal, antiinflammatory drug and a blend of biocompatible, biodegradable poly (lactide/glycolide).
 ACCESSION NUMBER: 2003:172843 BIOSIS
 DOCUMENT NUMBER: PREV200300172843
 TITLE: Sustained release non-steroidal, anti-inflammatory and lidocaine PLGA microspheres.
 AUTHOR(S): Vaughn, William M. [Inventor, Reprint Author]; **Van Hamont, John E.** [Inventor]; Setterstrom, Jean A. [Inventor]
 CORPORATE SOURCE: Silver Spring, MD, USA
 ASSIGNEE: The United States of America as represented by the Secretary of the Army
 PATENT INFORMATION: US 6528097 March 04, 2003
 SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (Mar 4 2003) Vol. 1268, No. 1.
<http://www.uspto.gov/web/menu/patdata.html>. e-file.
 ISSN: 0098-1133 (ISSN print).
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 ENTRY DATE: Entered STN: 2 Apr 2003
 Last Updated on STN: 2 Apr 2003

L16 ANSWER 10 OF 13 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 TI Oral immunization of adult volunteers with microencapsulated enterotoxigenic Escherichia coli (ETEC) CS6 antigen.

AB As a step in the development of an oral vaccine against ETEC, we evaluated the safety and immunogenicity of CS6, a polymeric protein commonly found on the surface of ETEC. Formulations included 1 and 5 mg doses of CS6, either encapsulated in biodegradable polymer poly(D, L)-lactide-co-glycolide (PLG), or as free protein, administered orally in a solution of either normal saline or a rice-based buffer. Three doses of CS6 were given at 2-week intervals. Blood was collected immediately before and 7 days after each dose. All formulations were well tolerated. Four of five volunteers who received 1 mg CS6 in PLG microspheres with buffer had significant IgA ASC responses (median=30 ASC per 106 PBMC) and significant serum IgG responses (median=3.5-fold increase). Oral administration of these prototype ETEC vaccine formulations are safe and can elicit immune responses. The ASC, serum IgA, and serum IgG responses to CS6 are similar in magnitude to the responses after challenge with wild-type ETEC (Coster et al., unpublished data). Further studies are underway to determine whether these immune responses are sufficient for protection.

ACCESSION NUMBER: 2003:130842 BIOSIS

DOCUMENT NUMBER: PREV200300130842

TITLE: Oral immunization of adult volunteers with microencapsulated enterotoxigenic Escherichia coli (ETEC) CS6 antigen.

AUTHOR(S): Katz, David E. [Reprint Author]; DeLorimier, Arthur J.; Wolf, Marcia K.; Hall, Eric R.; Cassels, Frederick J.; Van Hamont, John E.; Newcomer, Rhonda L.; Davachi, Mitra A.; Taylor, David N.; McQueen, Charles E.

CORPORATE SOURCE: Department of Enteric Infections, Walter Reed Army Institute of Research (WRAIR), Silver Spring, MD, 20910-7500, USA
david.katz@na.amedd.army.mil

SOURCE: Vaccine, (17 January 2003) Vol. 21, No. 5-6, pp. 341-346. print.
ISSN: 0264-410X (ISSN print).

DOCUMENT TYPE: Article

LANGUAGE: English

ENTRY DATE: Entered STN: 12 Mar 2003

Last Updated on STN: 12 Mar 2003

L16 ANSWER 11 OF 13 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

TI Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix.

AB Novel burst-free, sustained release biocompatible and biodegradable microcapsules which can be programmed to release their active core for variable durations ranging from 1-100 days in an aqueous physiological environment. The microcapsules are comprised of a core of polypeptide or other biologically active agent encapsulated in a matrix of poly(lactide/glycolide) copolymer, which may contain a pharmaceutically-acceptable adjuvant, as a blend of upcapped free carboxyl end group and end-capped forms ranging in ratios from 100/0 to 1/99.

ACCESSION NUMBER: 2002:6987 BIOSIS

DOCUMENT NUMBER: PREV200200006987

TITLE: Therapeutic treatment and prevention of infections with a bioactive materials encapsulated within a biodegradable-biocompatible polymeric matrix.

AUTHOR(S): Setterstrom, Jean A. [Inventor, Reprint author]; Van Hamont, John E. [Inventor]; Reid, Robert H. [Inventor]; Jacob, Elliot [Inventor]; Jeyanthi, Ramasubbu [Inventor]; Boedeker, Edgar C. [Inventor]; McQueen, Charles E. [Inventor]; Jarboe, Daniel L. [Inventor]; Cassels, Frederick [Inventor]; Brown, William [Inventor]; Thies, Curt [Inventor]; Tice, Thomas R. [Inventor]; Roberts, F. Donald [Inventor]; Friden, Phil [Inventor]

CORPORATE SOURCE: Alpharetta, GA, USA

ASSIGNEE: The United States of America as represented by

the Secretary of the Army
PATENT INFORMATION: US 6309669 October 30, 2001
SOURCE: Official Gazette of the United States Patent and Trademark
Office Patents, (Oct. 30, 2001) Vol. 1251, No. 5. e-file.
CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 28 Dec 2001
Last Updated on STN: 25 Feb 2002

L16 ANSWER 12 OF 13 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI A comparison of sustained bactericidal activity from tobramycin-loaded
poly(lactide-co-glycolide) (PLG) microspheres produced by solvent
extraction and by solvent evaporation.

ACCESSION NUMBER: 1995:290152 BIOSIS
DOCUMENT NUMBER: PREV199598304452
TITLE: A comparison of sustained bactericidal activity from
tobramycin-loaded poly(lactide-co-glycolide) (PLG)
microspheres produced by solvent extraction and by solvent
evaporation.
AUTHOR(S): Madden, Emily F.; Pak, Sang J.; Jacob, Elliot; Setterstrom,
Jean A.; Van Hamont, John E.
CORPORATE SOURCE: Walter Reed Army Inst. Res., Washington, DC, USA
SOURCE: Abstracts of the General Meeting of the American Society
for Microbiology, (1995) Vol. 95, No. 0, pp. 145.
Meeting Info.: 95th General Meeting of the American Society
for Microbiology. Washington, D.C., USA. May 21-25, 1995.
ISSN: 1060-2011.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 5 Jul 1995
Last Updated on STN: 5 Jul 1995

L16 ANSWER 13 OF 13 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI Rapid assessment of antifungal activity determined by computer driven
particle analysis of Saccharomyces cerevisiae.

ACCESSION NUMBER: 1995:289687 BIOSIS
DOCUMENT NUMBER: PREV199598303987
TITLE: Rapid assessment of antifungal activity determined by
computer driven particle analysis of Saccharomyces
cerevisiae.
AUTHOR(S): Van Hamont, John E.; Barsoum, Ibrahim S.;
Longmire, K.l Rose; Ramasubbu, Jeyanthi; Jenkins, Jeffery
K.; Reid, Robert H.
CORPORATE SOURCE: Walter Reed Army Inst. Res., Washington, DC, USA
SOURCE: Abstracts of the General Meeting of the American Society
for Microbiology, (1995) Vol. 95, No. 0, pp. 62.
Meeting Info.: 95th General Meeting of the American Society
for Microbiology. Washington, D.C., USA. May 21-25, 1995.
ISSN: 1060-2011.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 5 Jul 1995
Last Updated on STN: 5 Jul 1995